

Table S1. Microbial strains used in this study

Strain	Characteristics	Source
<i>Alteromonas</i> sp. JC21	Isolate from <i>E. scolopes</i> egg jelly coats	Kerwin et al. (2019)
<i>Bacillus algicola</i> CNJ 803	Marine sediment sample, 0meter depth, Republic of Palau	Gontang et al. (2007) (Courtesy of Dr. René Augustin and the McFall-Ngai/Ruby Labs, University of Hawaii)
<i>Bacillus megaterium</i> CNJ 778	Marine sediment sample, 23meter depth, Republic of Palau	Gontang et al. (2007) (Courtesy of Dr. René Augustin and the McFall-Ngai/Ruby Labs, University of Hawaii)
<i>Exiguobacterium aestuarii</i> CNJ 771	Marine sediment sample, 50meter depth, Republic of Palau	Gontang et al. (2007) (Courtesy of Dr. René Augustin and the McFall-Ngai/Ruby Labs, University of Hawaii)
<i>Fusarium keratoplasticum</i> FSSC-2g	Isolate from fouling antibiotic-treated <i>E. scolopes</i> eggs	Kerwin et al. (2019)
<i>Labrenzia</i> sp. ANG18	Isolate from <i>E. scolopes</i> ANG	Kerwin et al. (2019)
<i>Leisingera</i> sp. ANG1	Isolate from <i>E. scolopes</i> ANG	Collins & Nyholm (2011)
<i>Leisingera</i> sp. ANG7	Isolate from <i>E. scolopes</i> ANG	This study
<i>Leisingera</i> sp. ANG13	Isolate from <i>E. scolopes</i> ANG	Kerwin et al. (2019)
<i>Leisingera</i> sp. ANG52	Isolate from <i>E. scolopes</i> ANG	This study
<i>Leisingera</i> sp. ANG59	Isolate from <i>E. scolopes</i> ANG	This study
<i>Leisingera</i> sp. ANG-DT	Isolate from <i>E. scolopes</i> ANG	Collins et al. (2015)
<i>Leisingera</i> sp. ANG-M6	Isolate from <i>E. scolopes</i> ANG	Collins et al. (2015)
<i>Leisingera</i> sp. ANG-S	Isolate from <i>E. scolopes</i> ANG	Collins et al. (2015)
<i>Leisingera</i> sp. ANG-S3	Isolate from <i>E. scolopes</i> ANG	Collins et al. (2015)
<i>Leisingera</i> sp. JC11	Isolate from <i>E. scolopes</i> egg jelly coats	Kerwin et al. (2019)
<i>Muricauda</i> sp. ANG21	Isolate from <i>E. scolopes</i> ANG	Gromek et al. (2016)
<i>Photobacterium leiognathi</i> KNH6	Seawater isolate	Stabb & Ruby (2002)
<i>Pseudoalteromonas</i> sp. JC28	Isolate from <i>E. scolopes</i> egg jelly coats	Kerwin et al. (2019)
<i>Ruegeria</i> sp. ANG6	Isolate from <i>E. scolopes</i> ANG	Kerwin et al. (2019)
<i>Ruegeria</i> sp. ANG10	Isolate from <i>E. scolopes</i> ANG	Kerwin et al. (2019)
<i>Ruegeria</i> sp. ANG-S4	Isolate from <i>E. scolopes</i> ANG	Collins et al. (2015)
<i>Shewanella</i> sp. ANG44	Isolate from <i>E. scolopes</i> ANG	This study
<i>Vibrio anguillarum</i> 775	Isolate from <i>Oncorhynchus kisutch</i>	Crosa et al. (1977) (Courtesy of Dr. Joerg Graf, University of Connecticut)

<i>Vibrio fischeri</i> ES114	Isolate from <i>E. scolopes</i> light organ	Boettcher & Ruby (1990)
<i>Vibrio harveyi</i> B392	Seawater isolate	Reichelt & Baumann (1973)
<i>Vibrio</i> sp. JC34	Isolate from <i>E. scolopes</i> egg jelly coats	Kerwin et al. (2019)

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